155'
10' Cent Stretch
7' fair Stretch
172' max

158 PAYLOAD FAIRING STA 472.97

PAYLOAD FAIRING STA 408.00

14' FAIRING (MLV II DESIGNED FOR THIS FAIRING)

11' FAIRING (BASELINE FOR MLV II)

MODERN AVIONICS (INU) (MLV II ARTICLE #3 & ON)

PAYLOAD FAIRING STA 0.00
CENTAUR STA 157.90

CENTAUR STA 182.90

26" LH2 STRETCH

10" LOX STRETCH

3' CENTAUR STRETCH (BE UP SKINS & R

FIXED FOAM

2 LARGE HELIUM BOTTLES 4000 PSI

10" CONSTANT SECTION

AFT BULKHEAD DESIGNED TO ACCOMMODATE 18K THRUST ENGINES

CENTAUR STA. 412.72

TWO P.U. SERVO-POSITIONERS

5.5 : 1 MIXTURE RATIO

HYDRAZINE ROLL CONTROL

CENTAUR STA 570.00
ATLAS STA 330.00

67" LOX STRETCH

9' ATLAS STRETCH (BEEFED SKIN & R

41" RP1 STRETCH

ATLAS STA 866.00

DELETE VERNIERS (MOVE START SYSTEM TO GROUND)

4750 PSI H2 STORAGE

ATLAS STA 1133.00

414 K BOOSTERS (THRUST STRUCTURE DESIGNED TO ACCOMMODATE 420 K BOOSTERS)

ATLAS STA 1310.0

45" DIA GROWTH GEM

40" DIA CASTOR IV-A

150.01'

140
130
120
110
100
90
80
70
60
50
40
30
20
10

PAYLOAD FAIRING STA 472.97

PAYLOAD FAIRING STA 408.00

163.0
130.0

PAYLOAD FAIRING STA 0.00
CENTAUR STA 193.90

CENTAUR STA 218.90

4 JETTISONABLE INSULATION PANELS

1 LARGE & 1 SMALL 4000PSI HELIUM BOTTLE

CENTAUR STA 412.72

ONE P.U. SERVO-POSITIONER

5.0 : 1 MIXTURE RATIO

CENTAUR STA. DECREASING STA. 438.0

CENTAUR STA 570.0
ATLAS STA 438.00

ATLAS STA INCREASING STA. 438.0

143.42'

STANDARD LENGTH TANK WITH MODIFIED SKINS

ATLAS STA 907.00

ATLAS STA 1133.00

3600 PSI HELIUM STORAGE

377.5 K BOOSTERS

ATLAS STA 1310.0

COMMERCIAL BLOCK I

ATLAS I

ATLAS II / II AS / II E

DRAWN BY		PRELIMINARY DESIGN DRAWING
DESIGN ENGR SKIP LOTKER	1-6-68	LAYOUT - SPACE CONTROL ATLAS CENTAUR BLOCK I Vs. MLV II
GROUP ENGR		
STRESS		
WEIGHTS		
MATERIAL		
OPERATIONS		
PROJECT		
GENERAL DYNAMICS SPACE SYSTEMS DIVISION SAN DIEGO, CALIFORNIA	CODE IDENT. 14170	DRAWING NO. SK-AC MLV II
	SCALE 1/75	SHEET 1 OF 1